

Science GE DOK Alignment Chart

HUMAN BODY

Grades 7-8

GE 40-41

DOK & NECAP Release Item Codes	GE Statement with Ceiling DOK	Science Concepts	Examples/Practice Items
Enduring Knowledge: The human body is unique in its heredity, body systems and development, and can be affected by the environment.			
DOK 2 LS1(5-8)POC-3	<p>S7-8:40 (DOK 2) Students demonstrate their understanding of Human Heredity by...</p> <ul style="list-style-type: none"> Explaining how traits are passed on from the instructions of one or more genes that are inherited from the parents. 	<p>Science Concepts:</p> <ol style="list-style-type: none"> Every organism requires a set of instructions (genes) for specifying its traits. Heredity is the passage of these instructions from one generation to another. As a result of sexual reproduction, half of an individual's traits come from one parent, half from the other. An inherited trait of an individual can be determined by one or by many genes, and a single gene can influence more than one trait. 	
<p>DOK 3 LS1(5-8)SAE + FAF-2 LS4(5-8)INQ-10 LS1(5-8)FAF-4</p> <p>DOK 2 LS1(5-8)POC-4</p> <p>DOK 3 LS1(5-8)POC-4</p>	<p>S7-8:41 (DOK 3) Students demonstrate their understanding of Human Body Systems by...</p> <ul style="list-style-type: none"> Explaining how the human body responds to environmental or biological factors to maintain internal equilibrium. <p>AND</p> <ul style="list-style-type: none"> Explaining the function of the lungs in respiration. <p>AND</p> <p>Developing models that illustrate the human reproductive system.</p>	<p>Science Concepts:</p> <ol style="list-style-type: none"> The lungs take in the oxygen that the body cell's need for the chemical change that releases energy from food and the lungs eliminate carbon dioxide that produced during the chemical change. The reproductive system enables the whole organism (human) to reproduce. In order to maintain equilibrium, internal body systems react to environmental changes through the nervous system. (e.g., sweating, increased respiration during exercise, response to environmental stimuli, etc.). 	

7-8 HUMAN BODY GE_s

Science GE DOK Alignment Chart

HUMAN BODY

Grades 7-8

GE 42-43

DOK & NECAP Release Item Codes	GE Statement with Ceiling DOK	Science Concepts	Examples/Practice Items
DOK 2 LS1(5-8)SAE + FAF-2 LS4(5-8)INQ-10	S7-8:42 (DOK 2) Students demonstrate their understanding of the Patterns of Human Health/Disease by... • Explaining how a variety of microbes (e.g., virus, bacteria, fungi) and toxic materials can interfere with body systems and cause harm.	Science Concepts: a. Viruses, bacteria, fungi, and parasites may infect then human body and interfere with normal body functions. b. The environment may contain dangerous levels of substances that are harmful to human beings.	
S7-8:43 Not addressed at this grade level			